

## ABSTRACT

A color projection display device (3) includes a light source (30), a light modulation unit (32), a projection lens (34) and a screen (38). The light modulation unit includes a micro-mirror array (325) having a red micro-mirror, a green micro-mirror and a blue micro-mirror. Each micro-mirror functions as a color filter, and is capable of reflecting light beams emitted from the light source to the projection lens. A driver circuit offers a digital signal to the micro-mirror array to maintain each micro-mirror thereof is in an on state or in an off state. The projection lens projects the light beams reflected by the light modulation unit onto the screen.